

CALIBRATING ARRAY SCANNERS

ABSTRACT OF THE DISCLOSURE

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A method of using a chemical array reader, chemical array readers, and computer program products for use with a chemical array reader. The chemical array reader may include a holder to mount an array and hold the array at a reading position. A light system illuminates a mounted array when at a reading position. A detection system having a focal plane, to detect light from different regions across the array emitted in response to the illumination, when at the reading position, and which generates a resulting signal for each of the regions across the array. An autofocus system which detects and reduces offset between the different regions of an array at the reading position and a determined position of the focal plane.